Steven L. Evans, Ph.D.
Fellow, Dow AgroSciences Seeds Discovery

Steve received B.A. and B.S. degrees in Chemistry and Microbiology, respectively, from the University of Mississippi in 1981 where he was an NSF Undergraduate Research awardee in natural products analytical chemistry. He completed a Ph.D. in Microbial Physiology from the University of Mississippi Medical Center in 1985 with an emphasis on trace metal metabolism and siderophore production. Subsequently he was an NIH Post-doctoral Fellow in the Department of Chemistry at the University of California, Berkeley exploring bidentate siderophores as analogs for transferrin. All of the work up to the postdoctoral project was focused on biomedical applications and was cross-disciplinary in scope, usually blending high resolution chemical analysis with enzymology.

Steve opted for a second Post-doc at the USDA National Lab in Peoria to enter into agricultural applications of biotechnology with a focus on ruminal anaerobes. From there he joined Mycogen Corporation in 1988 and joined Dow AgroSciences in the acquisition in 1997. At Mycogen he lead development of a novel bacterial herbicide for grass weeds, co-discovered fatty acid based synergists for glyphosate now used in consumer lawn and garden glyphosate formulations. A primary technology focus was developing the bioanalytical infrastructure for the Cellcap™ recombinant biopesticide product line.

Since joining Dow AgroSciences Steve has been involved in development of several traits stemming from the Mycogen pipeline (cry1F, cry34/35) and in capability development in bioanalytical sciences. In his current role as a Fellow at Dow AgroSciences, Steve continues to help identify and acquire differentiating bioanalytical capabilities and to enable EXZACT™ Zinc Finger technology. He is also past chair of Dow AgroSciences Fellows Organization. Externally he is active in the precompetitive area of synthetic biology technology development and has functioned as past chair of the Industrial Advisory Board of the SynBERC synthetic biology consortium funded by the NSF and co-chair of the BIO Organization IES synthetic biology subteam.